

Memo

To: Fire Alarm Installers, Design Teams, Whom it may concern
From: Fire Prevention
CC: Inspectional Services Department
Date: 05/17/04
Re: Smoke Control Panel Requirements

Effective immediately. This requirement will remain in effect until the Mass State Building Code (780 CMR) specifically addresses written requirements for Firefighter's Smoke Control Panels.

In order to provide uniformity in the City of Boston buildings with Smoke Control Panels. The Boston Fire Department (BFD) will require schematic smoke control panel drawings to be submitted for all new and or upgraded buildings, which require smoke control systems in accordance with 780 CMR. This will apply to all new high rises, atriums, and other buildings that require smoke control.

A graphic annunciator is a vital component of the smoke control panel that provides clear indication of the status and operation of the dampers and smoke control fans for responding fire department personnel.

The graphic annunciator is to be illustrated in a schematic diagram form of the building in elevation view showing the smoke control features in the building and the floors that they interact with. Panels are to provide a clear indication (color-coded if possible) of the direction of airflow and the relationship of the component displayed. Status indication shall be provided for all smoke control equipment, annunciated by fan and zone, by pilot lamp type indicators. The lamp should be next to the component or equipment it serves as follows:

- Fans, dampers and other operating equipment in their normal status - white. (At least one lamp required for the whole system.)
- Fans, dampers and other operating equipment in their off or closed status - red.
- Fans, dampers and other operating equipment in their on or open status - green.
- Fans, dampers and other operating equipment in a fault status - yellow / amber.

A plan showing the layout of the annunciator configuration should be submitted to the BFD for review. Should you have any questions please contact Fire Prevention at 617-343-2188.